

FIG. 1

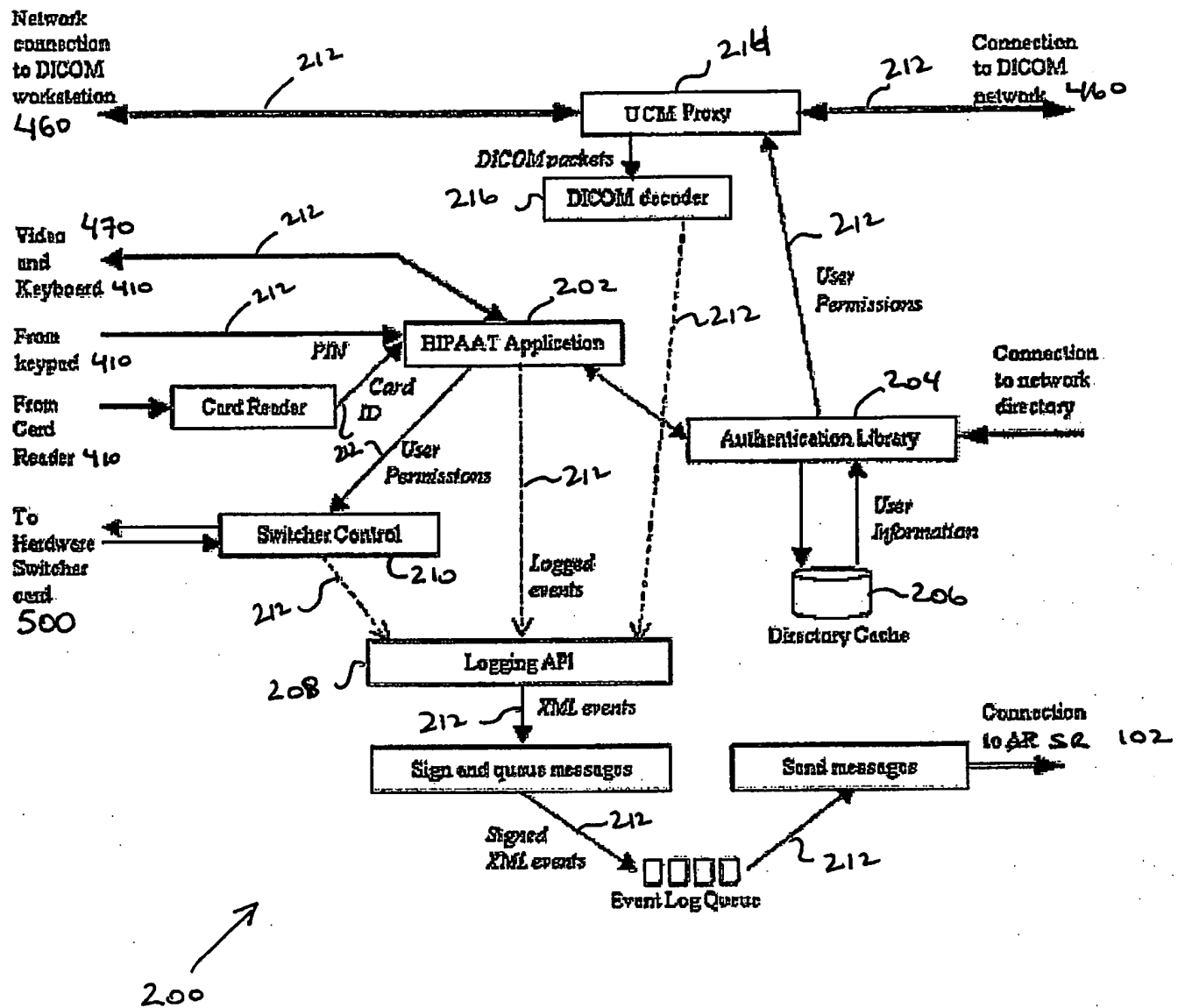


FIG. 2

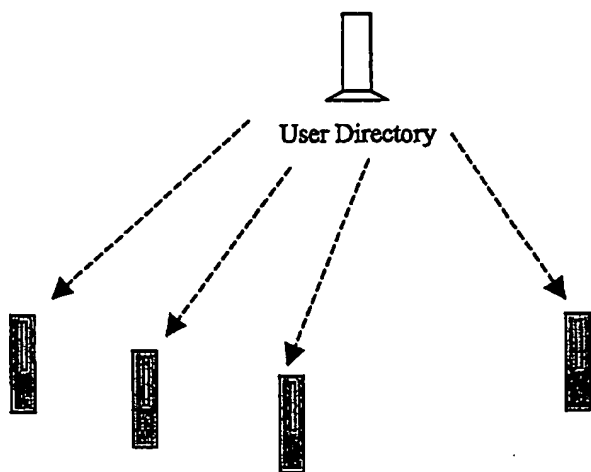


FIG. 3

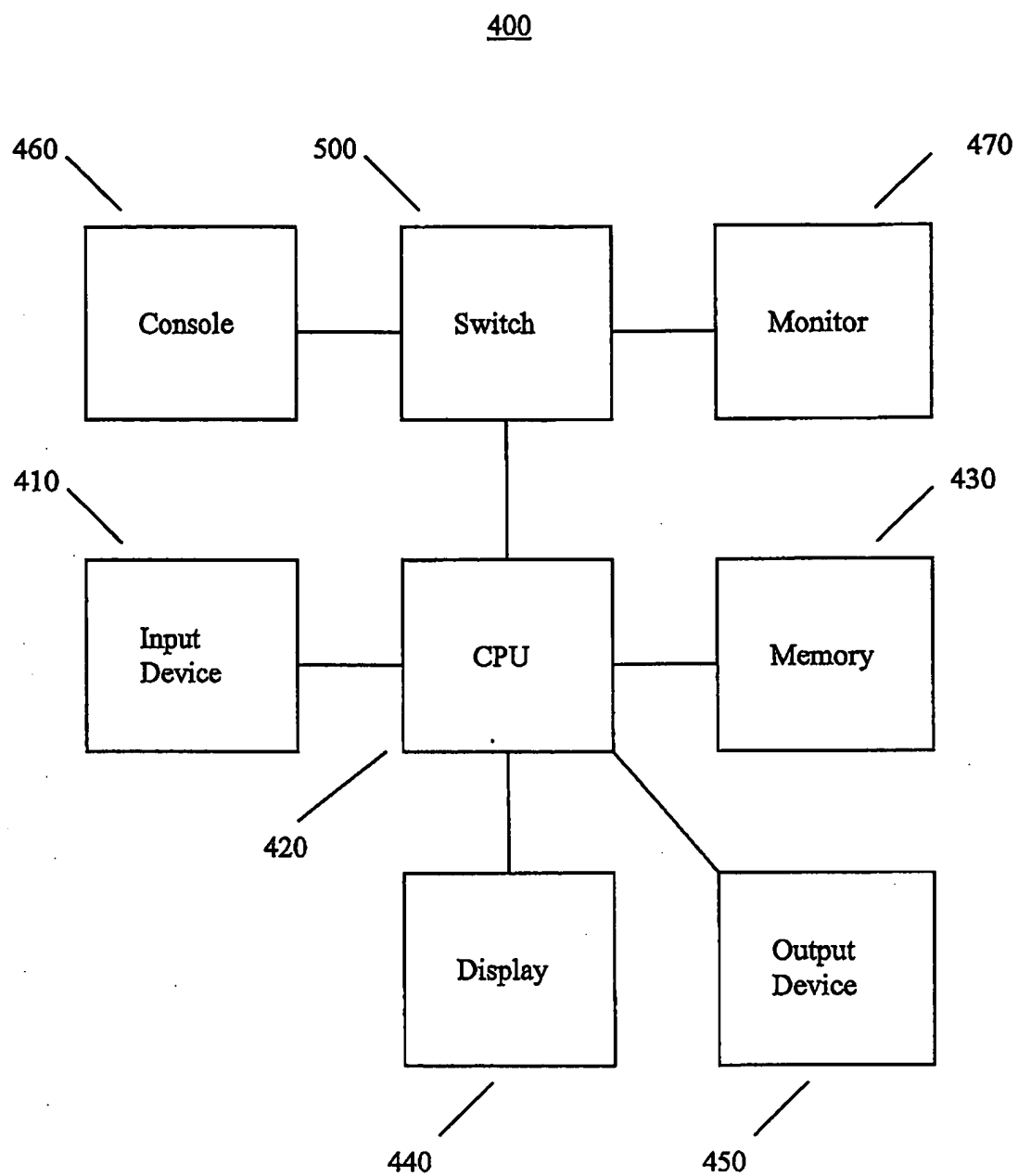


FIG. 4

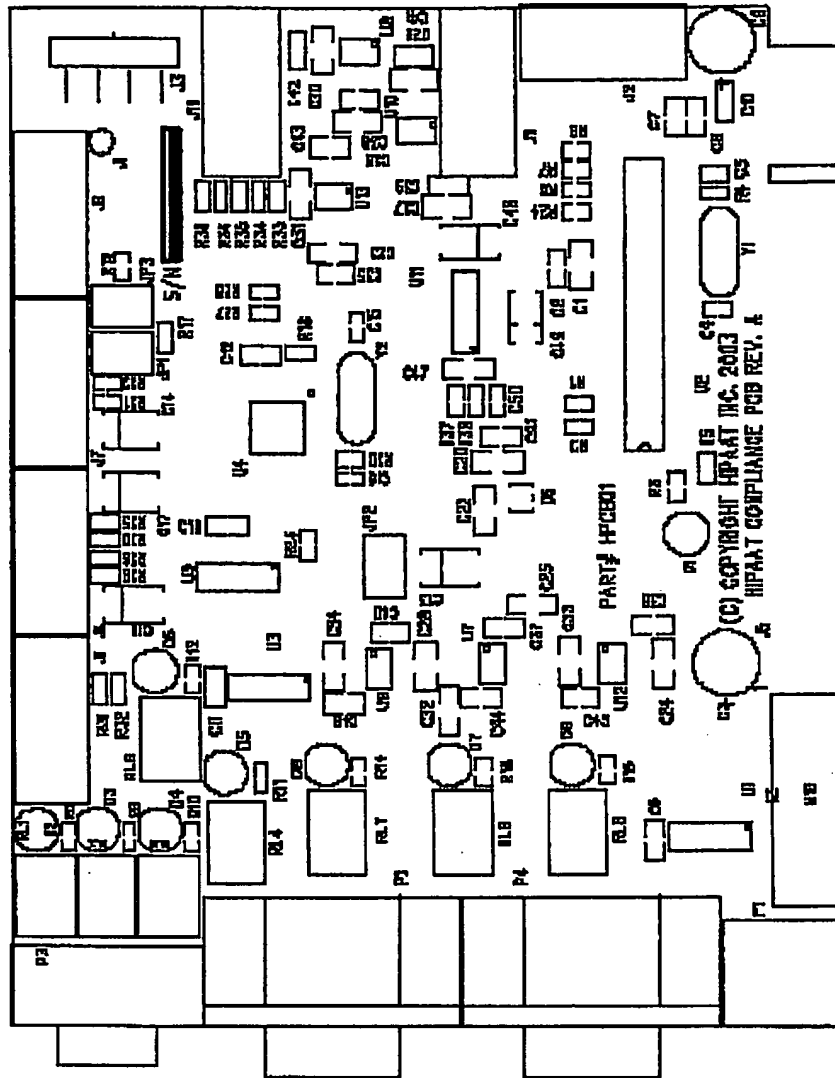


FIG. 5

REF AND ASSOCIATES LTD.	PREPARED BY: DT TITLE: HIPAAT COMPLIANCE PCB DATE: OCT-81-2003
HIPCCBDA A	SILK SCREEN C/S

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HIPAAT Gateway Compliance Board

Bill Of Materials Page1

Item	Qty	Reference	Description	Value	Package	Manufacturer	Part Number	sq. mm	Ext. Area
1	3	C1,C20,C22 C2,C6,C7,C8,C10,C1	4.7UF 16V MLC X5R 10%	4.7UF 16V	1206	Kemet	C1206C475K4PAC TU	72	216
2	211	C12, C19,C21,C35,C36,C3 7,C38, C39,C40,C41,C42,C4 3,C44, C45,C46	0.1UF MLC X7R 50V 10%	0.1UF	0805	AVX	08055C104KAT2A	40	840
3	2	C9,C3	220UF 16V ELECT CAP	220UF 16V	0.1" RADIAL	Panasonic	EEU-FC1C221	70	140
4	4	C4,C5,C15,C16 C13,C14,C17,C18,C4	22PF NP0 50V 5% 100UF 16V TANTALUM LOW	22PF 100UF	0603 D CASE	AVX AVX	06035A220JAT2A TPSD107K016R0125	18	72
5	58	C23,C24,C25,C26,C2 C29,C30,C31,C32,C3 3,C34, C47	ESR 10%	2.2UF	1206	AVX	1206YD225KAT2A	30	150
6	137	C28,	2.2UF 16V MLC X5R	2.2UF	1206	AVX	1206YD225KAT2A	72	936
7	1	C49	10UF 16V TANTALUM LOW	10UF	C CASE	Vishay	593D106X9016C2T	20	20
8	1	C50	2200PF 50V 10% MLC	2200PF	0603	AVX	06035C222KAT2A	18	18
9	1	D1,D2,D3,D4,D5,D6 D7,D8, D9	Red LED	LED	0.1" RADIAL	Panasonic	HLMP-3750A1R	13	135
10	3	UP1,UP2,IP3	3x1 jumper block	CONN	Header	Amn	6407523	20	60

Fig. 6(a)

11	11N	CONN	011-PAD	10	10
12	12,16,17,18,19,20,21	EX2-Header	seeddata	60	120
13	13	4X11header right handle	seeddata	155	155
14	14	PCI type connector	seeddata	155	155
15	15	PCI type connector	seeddata	155	155
16	16	Mini DIN position	seeddata	155	155
17	17	15Pin Female VESA VGA Connector	seeddata	155	155
18	18	High density 15 pos DSUB	seeddata	155	155
19	19	5V DPO1 RELAY	seeddata	155	155
20	20	Resistor 47K 1/16W 5% SMT 47K	0603	18	18
21	21	Resistor 1K 1/16W 5% SMT 1K	0603	18	18
22	22	Resistor 10K 1/16W 5% SMT 10K	0603	18	18
23	23	Resistor 47R 1/16W 5% SMT 47R	0603	18	18
24	24	Resistor 330R 1/16W 5% SMT	0603	18	18
25	25	Resistor 33R 1/16W 5% SMT 33R	0603	18	18
26	26	Resistor 1.5K 1/16W 5% SMT 1.5K	0603	18	18
27	27	Resistor 15K 1/16W 5% SMT 15K	0603	18	18
28	28	Resistor 4.7K 1/16W 5% SMT 4.7K	0603	18	18
29	29	Resistor 75R 1/16W 1% SMT 75R	0603	18	18
30	30	Resistor 20K 1/16W 1% SMT 20K	0603	18	18
31	31	Resistor 102K 1/16W 1% SMT	0603	18	18
32	32	Dallington sensor array	ULN2005A	60	155

Fig. 6(b)

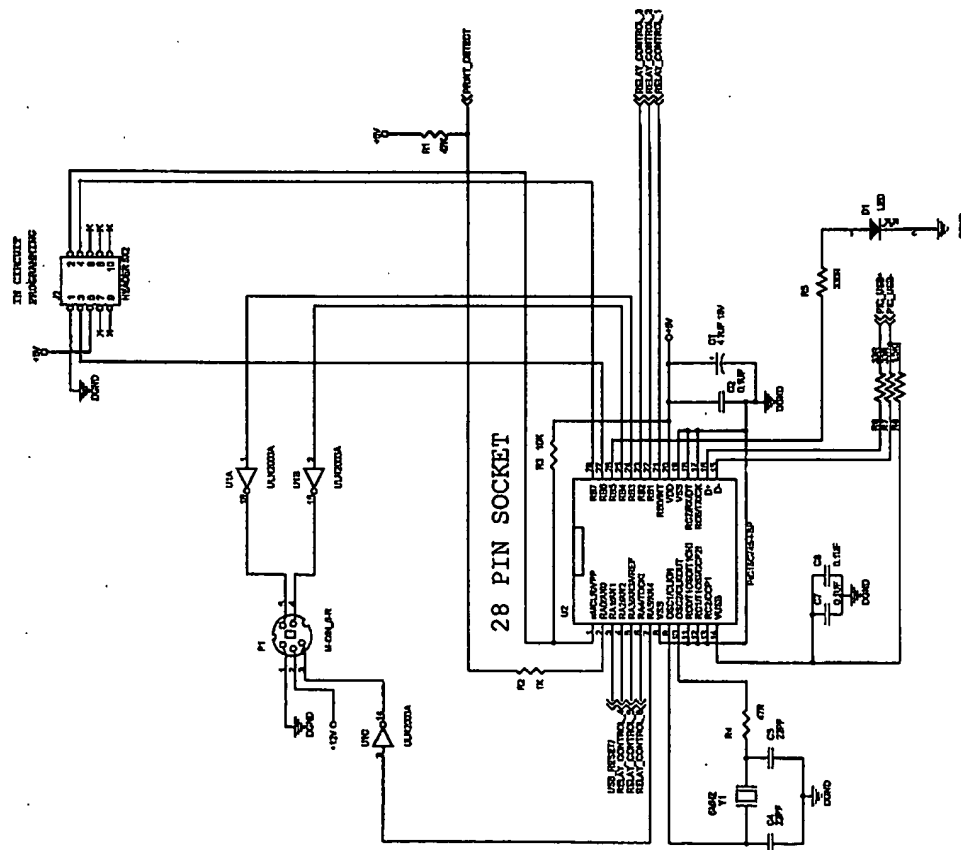
33	U02	8bit microcontroller with USB	PLC16C/451SP	Microchip	PLC16C/451SP	270	270
34	U04	7 port USB hub	TUS32077A	TI	TUS32077A/PT	80	80
35	U05	USB power switch	IPS2014A	TI	IPS2014D	80	80
36	U06	Low power 60mA LDO	IPS76333	TI	IPS76333DEV1	10	10
37	U07	Dual high speed opamp	LM5172/SOIC	National	LM5172IM	50	180
38	U08	Switched cap voltage converter	LM1064/SO	TI	LM1064QDW	80	80
39	U09	6MHz 1.8V crystal	6MHz	CTS	MT080	55	110

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Fig. 6 (c)

MICRO AND PCI INTERFACE



UN-USED PARTS

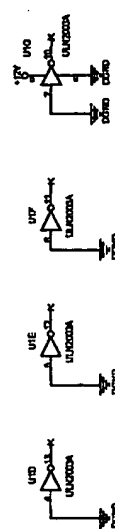
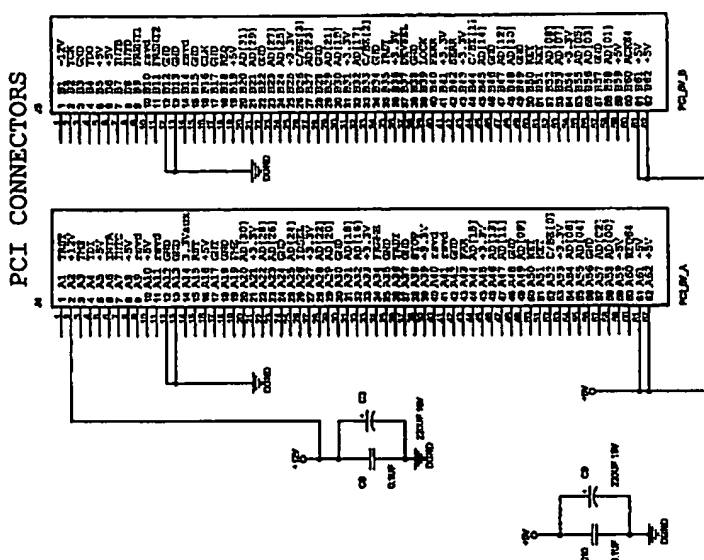
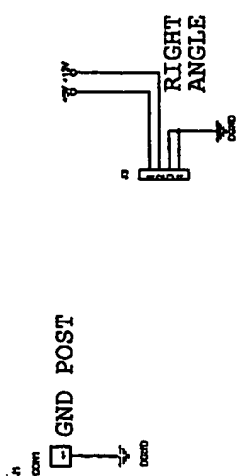


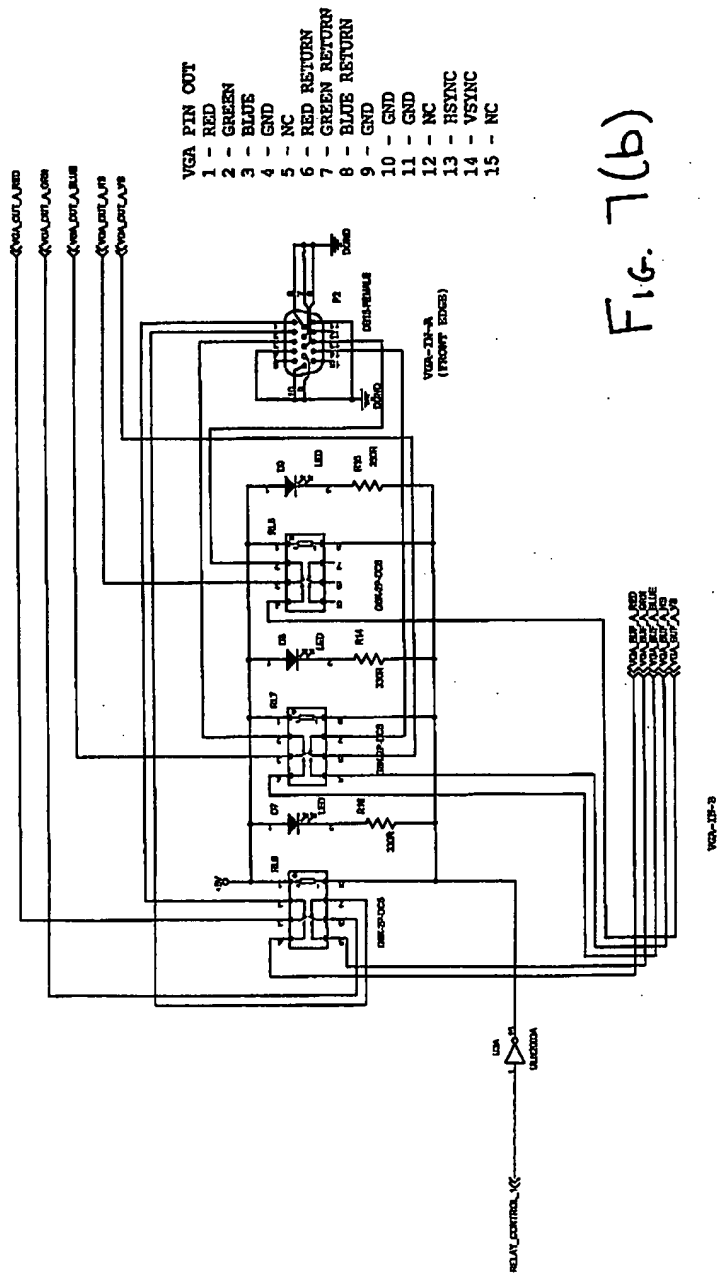
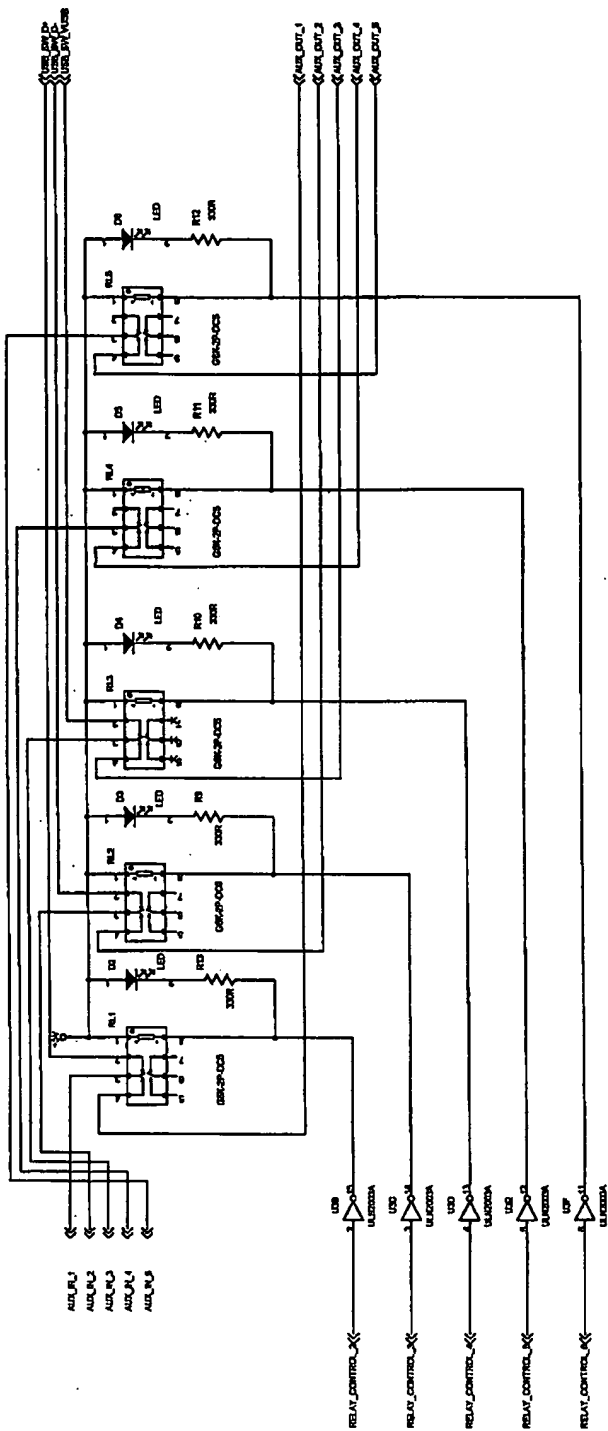
Fig. 7(a)

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

SIGNAL SWITCHING



VGA PIN OUT

- 1 - RED
2 - GREEN
3 - BLUE
4 - GND
5 - NC
6 - RED RETN
7 - GREEN RETN
8 - BLUE RETN
9 - GND
10 - GND
11 - GND
12 - NC
13 - HSYNC
14 - VSYNC
15 - NC

UN-USED PARTS

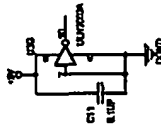


Fig. 7(b)

TSC-11A
RECEIVER
CIRCUIT

COMPONENTS:
R10 1.0K
R11 1.0K
R12 1.0K
R13 1.0K
R14 1.0K
R15 1.0K
R16 1.0K
R17 1.0K
R18 1.0K
R19 1.0K
R20 1.0K
R21 1.0K
R22 1.0K
R23 1.0K
R24 1.0K
R25 1.0K
R26 1.0K
R27 1.0K
R28 1.0K
R29 1.0K
R30 1.0K
R31 1.0K
R32 1.0K
R33 1.0K
R34 1.0K
R35 1.0K
R36 1.0K
R37 1.0K
R38 1.0K
R39 1.0K
R40 1.0K
R41 1.0K
R42 1.0K
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R67 1.0K
R68 1.0K
R69 1.0K
R70 1.0K
R71 1.0K
R72 1.0K
R73 1.0K
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R94 1.0K
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R103 1.0K
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R372 1.0K
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R374 1.0K
R375 1.0K
R376 1.0K
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R378 1.0K
R379 1.0K
R380 1.0K
R381 1.0K
R3

Controlled Impedance PCB Zo = 50ohm

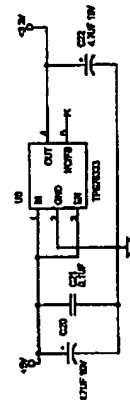
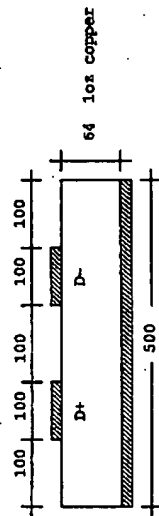
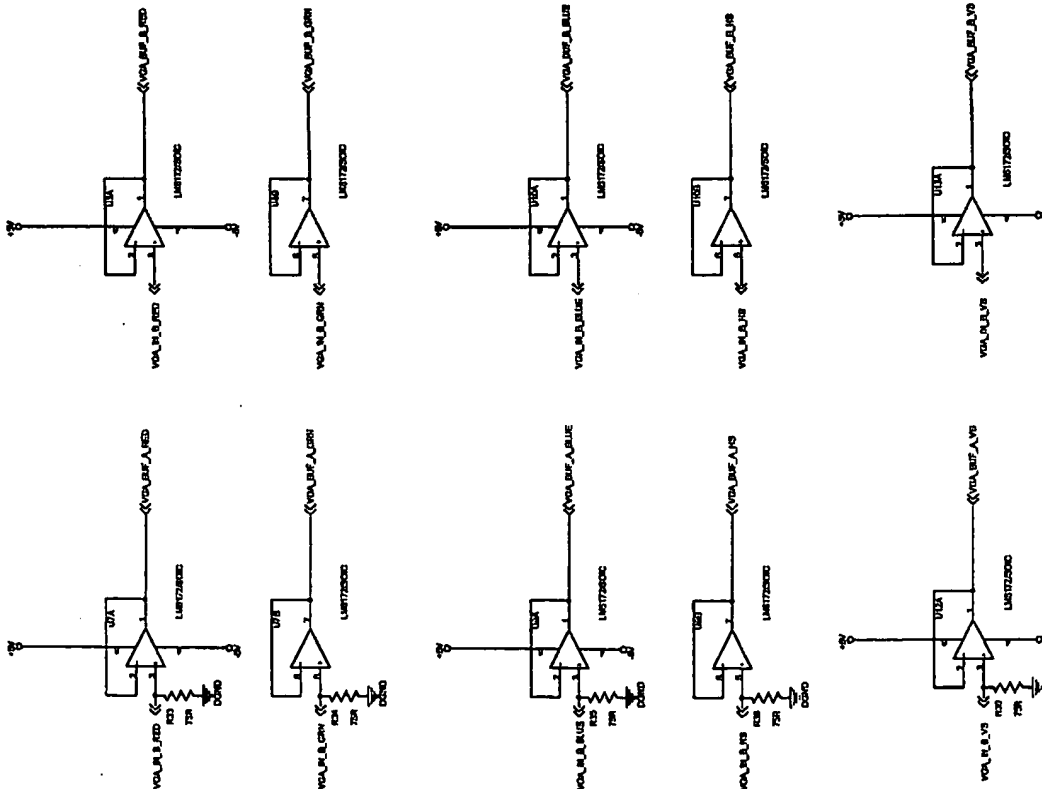
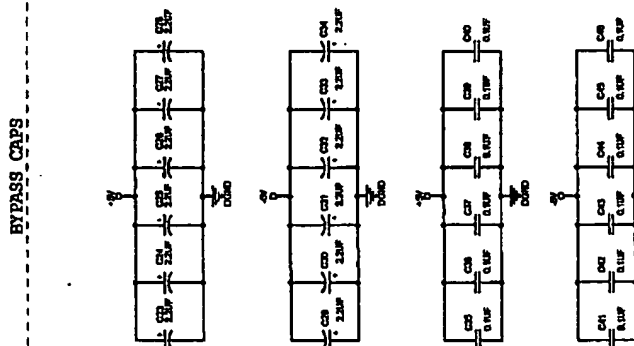


Fig. 7(c)

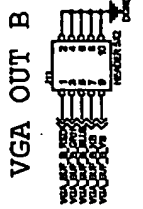
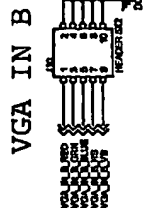
VGA BUFFERS



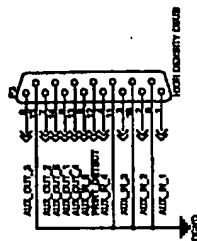
UN-USED PARTS



PLACE CAPS AS CLOSE TO GROUND POWER SUPPLY PINS AS POSSIBLE



GENERIC IN/OUT
PRINT DETECT



VGA OUT A

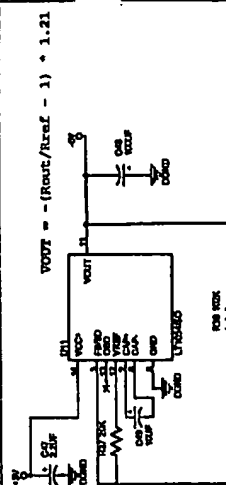
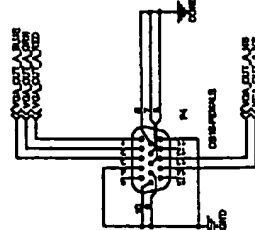


Fig. 7(d)

1	HYPER-RELIABLE
2	HYPER-RELIABLE
3	HYPER-RELIABLE
4	HYPER-RELIABLE
5	HYPER-RELIABLE
6	HYPER-RELIABLE
7	HYPER-RELIABLE
8	HYPER-RELIABLE
9	HYPER-RELIABLE
10	HYPER-RELIABLE
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13	HYPER-RELIABLE
14	HYPER-RELIABLE
15	HYPER-RELIABLE

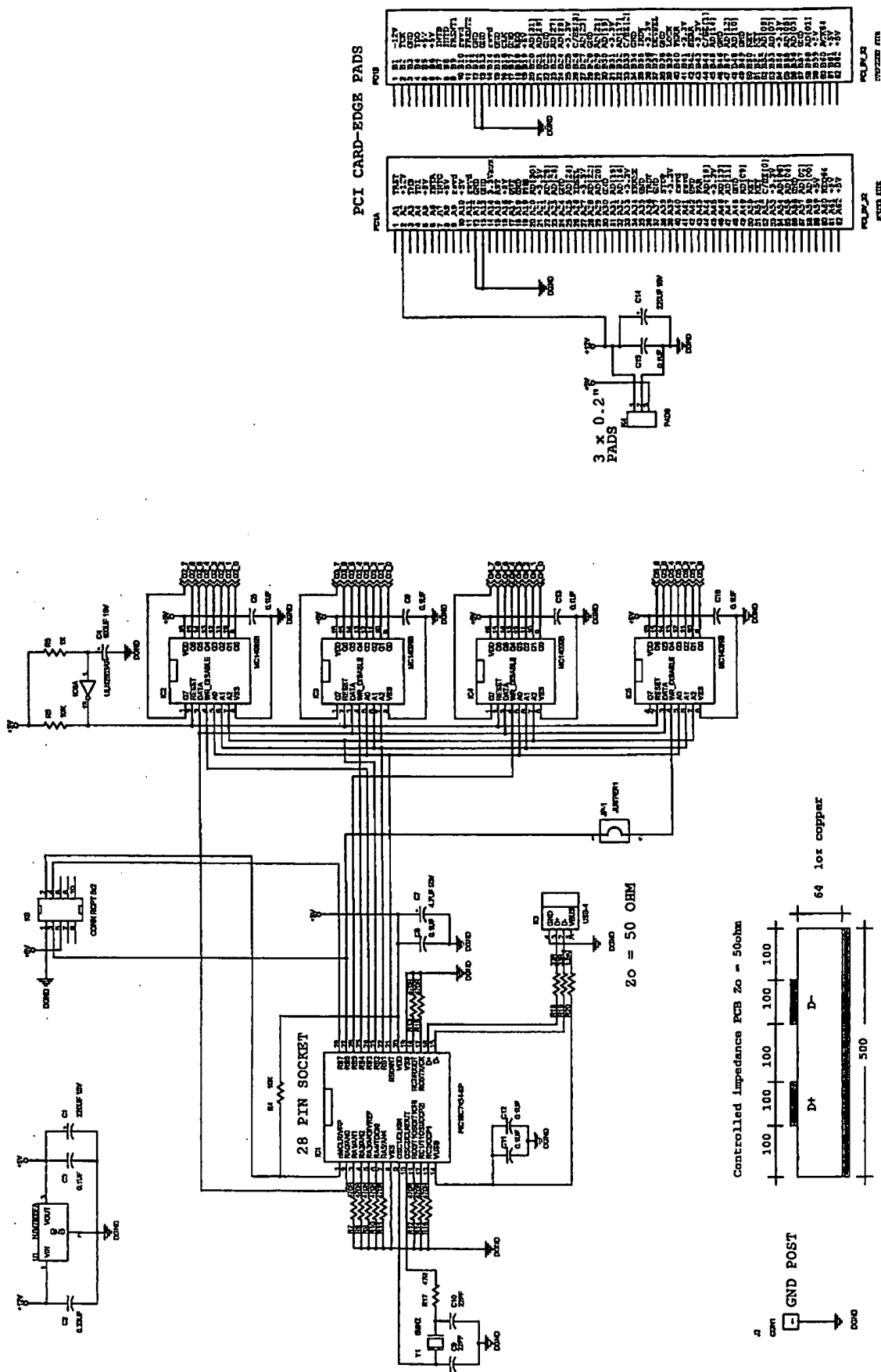


FIG. 8

The information on this drawing is proprietary and may not be copied or transmitted in any way unless with the written consent of the Baranti Group Inc.

The Baranti Group Inc.		Project Name/Client	Main SW Board	Title	Page 0	ECO No.	Date	By
210 Cochrane Dr., Unit 62, Markham Ontario, Canada, L3R 9V3		Project no.:	J02039	Designed:	Mihai Veres	PCB Ver.:	PC80281A	Released By:
Tel: (905) 479-0148 Fax: (905) 479-0149		Date:	Monday, November 18, 2002	File Ref:	SCH0281A.DSN	Sheet	1 of 5	

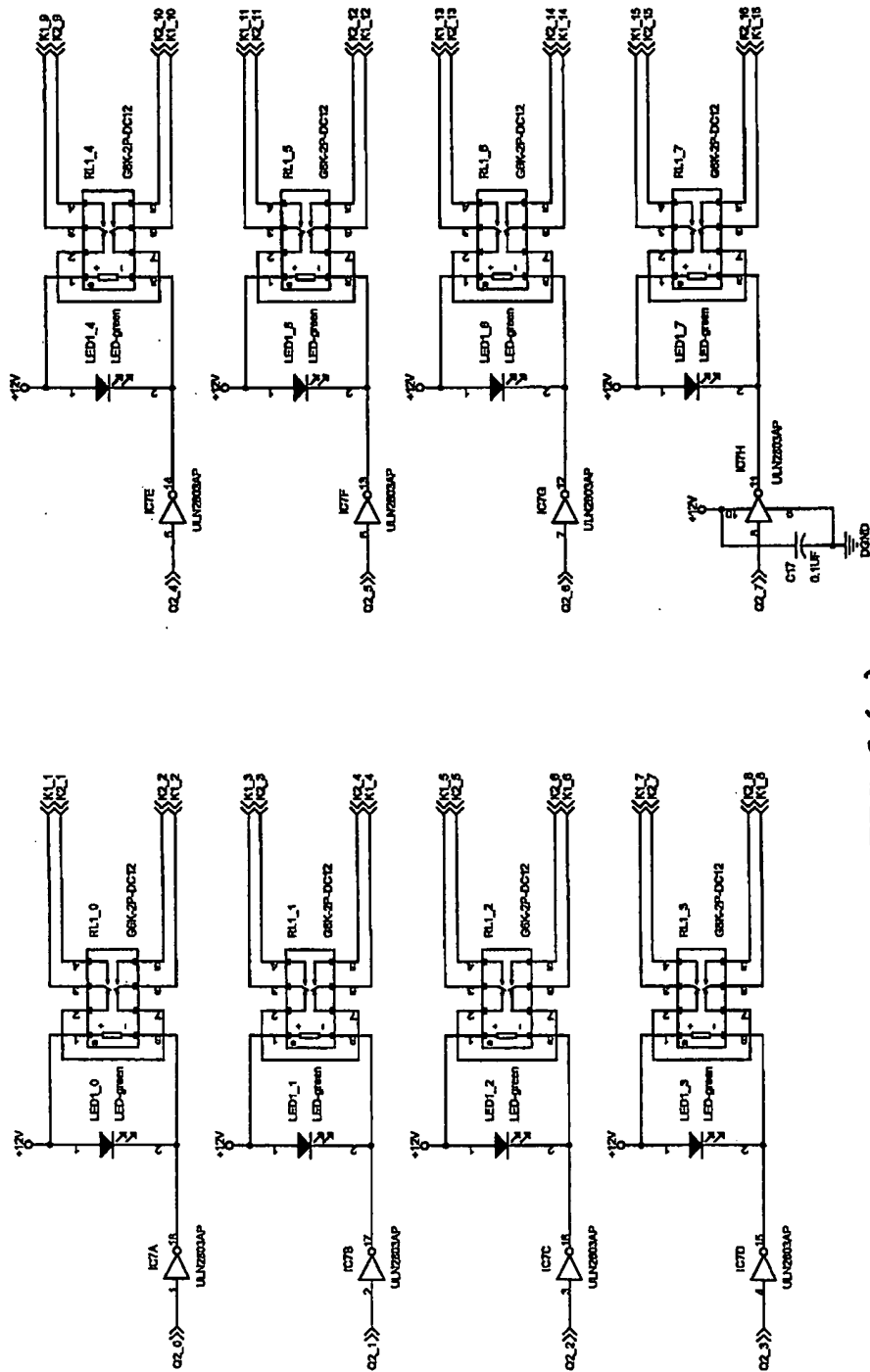


FIG. 9 (a)

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The Baranti Group Inc.

210 Cochran Dr., Unit #6, Markham
Ontario, Canada, L3R 8E8

Tel: (905)-478-0148 Fax: (905)-479-0149

Project Name/Client

Main SW Board

Title:

Page 1

ECO No.

Date

By

Project no.:

J02038

Designed:

Mihal Veres

PCB Ver.:

PCB0281A

Released By:

Dwn: Yuril Stoyanov

Date:

Monday, November 18, 2002

File Ref:

SCH0281A.DSN

Sheet

2 of 5

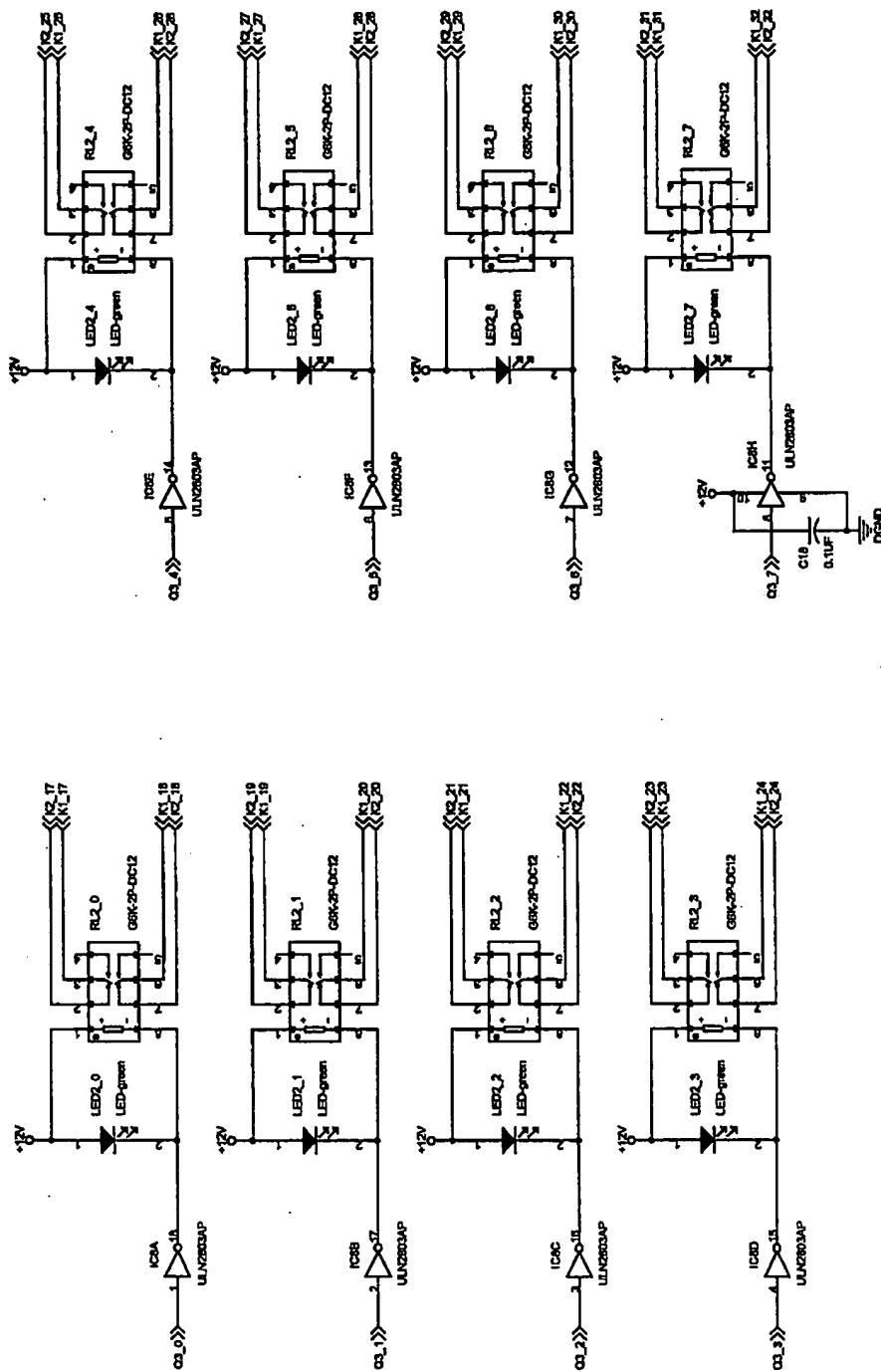


FIG. 9(b)

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Tel: (905) 479-0148 Fax: (905) 479-0149		Project no.:	J02038	Designed:	Mihai Veres	PCB Ver.:	PCB0281A	
		Date:	Monday, November 18, 2002	File Ref:	SCH0281A.DSN	Drawn:	Yuri Stoyanov	Released By:
						Sheet	3 of 5	

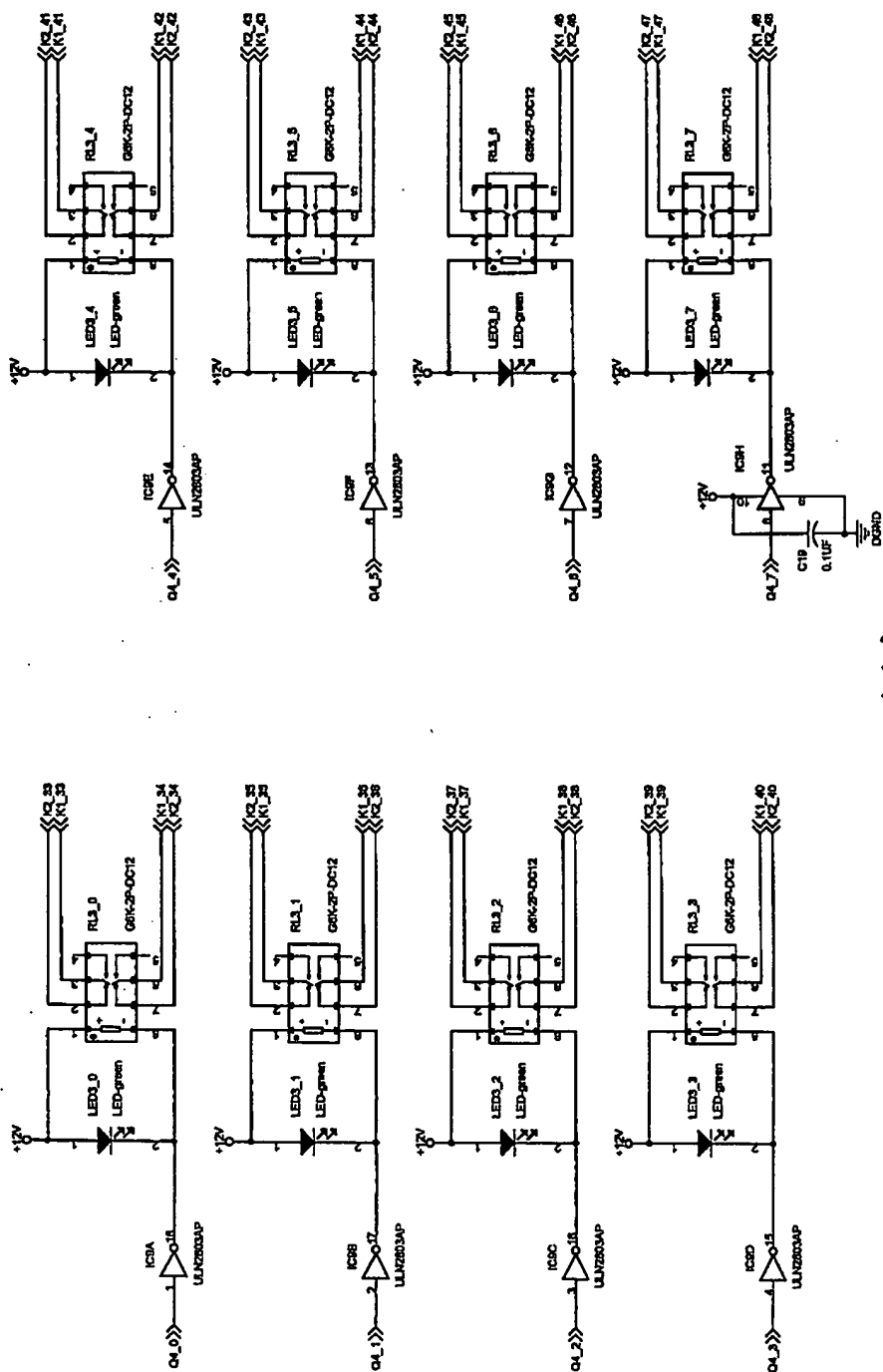


FIG. 9(c)

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The Baranti Group Inc.

210 Cochran Dr., Unit 88, Markham
Ontario, Canada, L3R 8E5

Tel: (905) 479-0148 Fax: (905) 479-0149

Project Name/Client Main SW Board

Project no.: J02038

Date: Monday, November 18, 2002

Title: Page 3

Designed: Mihai Veres

File Ref: SCH0281A.DSN

ECO No.

Date

By

PCB Ver.: PCB0281A

Dwn: Yuri Stoyanov

Released By:

Sheet 4 of 5

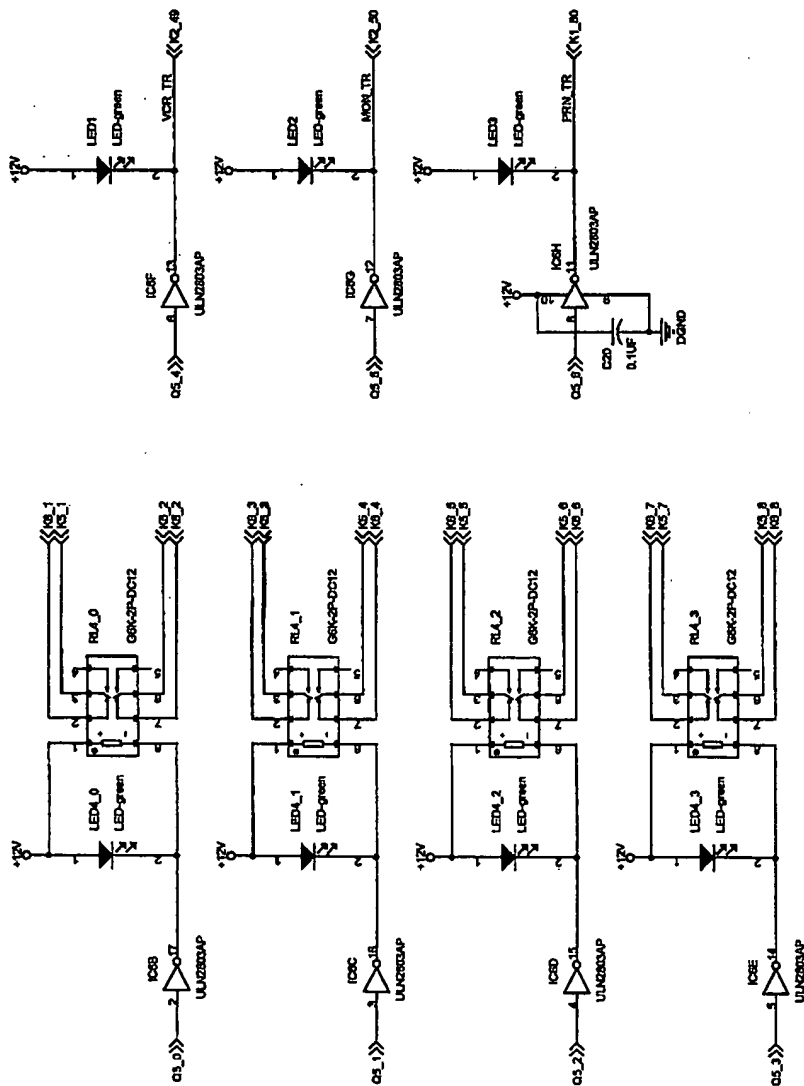


FIG. 9(d)

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The Barantl Group Inc. 210 Cochrane Dr., Unit B3, Markham Ontario, Canada, L3R 8E8 Tel: (905) 478-0148 Fax: (905) 478-0149		Project Name/Client Main SW Board Project no.: J02038 Date: Monday, November 18, 2002		Title: Page 4 Designed: Mihai Veras File Ref: SCH0281A.DSN		PCB Ver.: PCB0281A Dwnn: YurI Stoyanov Sheet: 5 of 5		Released By:
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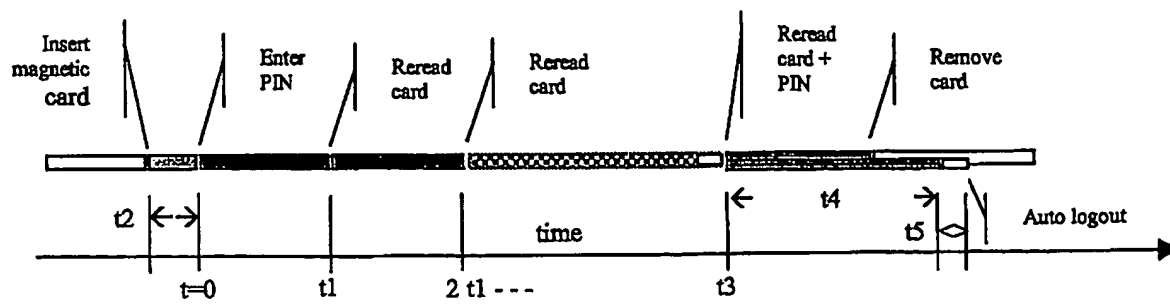


FIG. 10

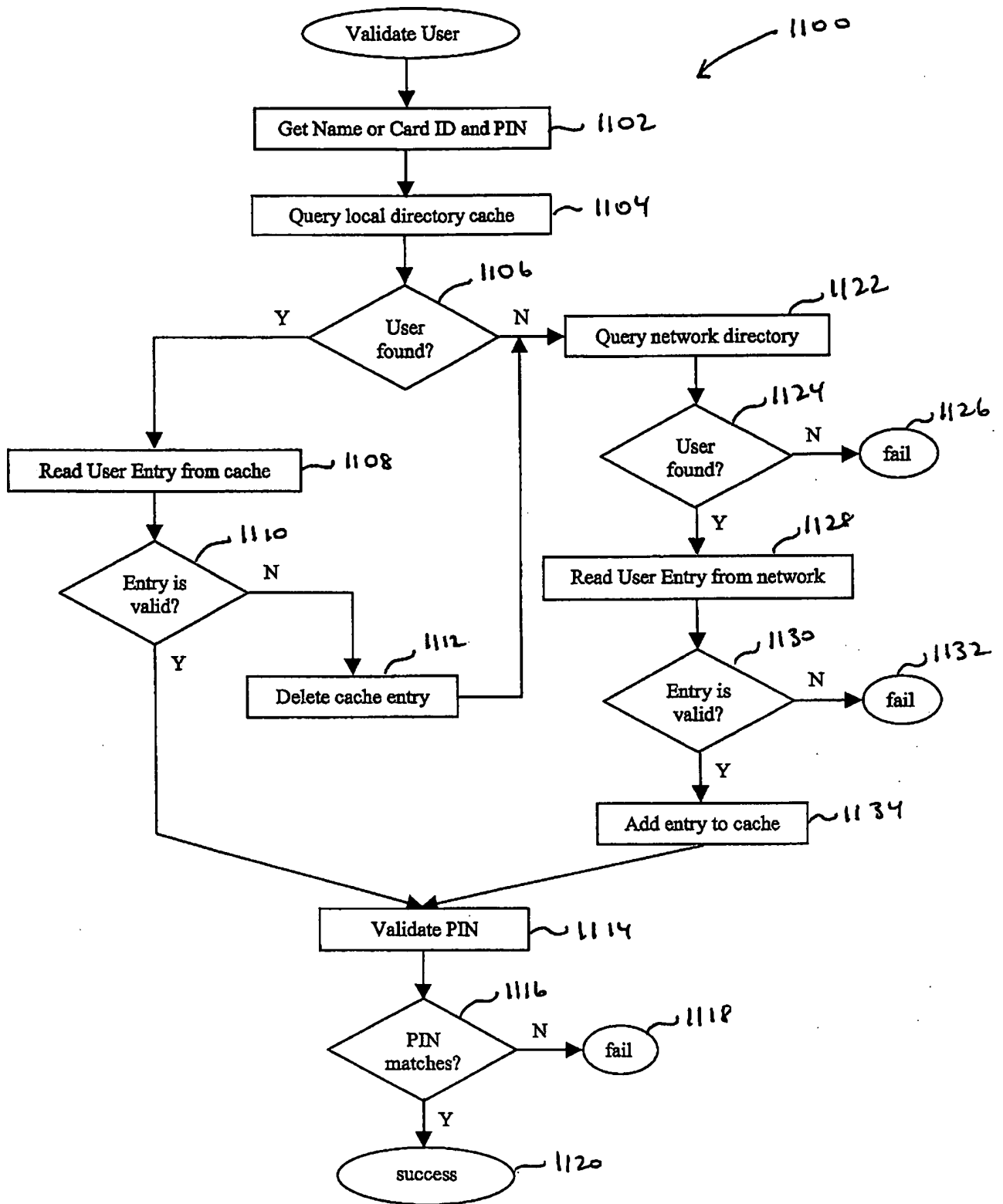


FIG. 11

```

<IHE-Syslog-Audit-Message>
  <Instances-stored>
    <Remote-node>
      <IP-address>10.0.2.3</IP-address>
      <Hostname>workstation</Hostname>
      <AE-Title>FIRSTAE</AE-Title>
    </Remote-node>
    <instance-action-description>
      <Object-Action>Create</Object-Action>
      <Accession-number>0283721693</Accession-number>
      <Study-uid>1.2.840.10008.3.3.3.1234</Study-uid>
      <Patient>
        <Patient-ID>98838737</Patient-ID>
        <Patient-name>John Doe</Patient-name>
      </Patient>
      <user>
        <local-user>msmith</local-user>
      </user>
      <SOP-Class-UID>1.2.840.10008.5.1.4.1.1.2</SOP-Class-UID>
      <SOP-Class-UID>1.2.840.10008.5.1.4.1.1.11.1</SOP-Class-UID>
      <SOP-Class-UID>1.2.840.10008.5.1.4.1.1.88.59</SOP-Class-UID>
      <number-of-instances>189</number-of-instances>
      <MPPS-uid>1.2.840.10008.3.3.3.1237</MPPS-uid>
    </instance-action-description>
  </Instances-stored>
  <Hostname>thishost</Hostname>
</IHE-Syslog-Audit-Message>

```

FIG. 12

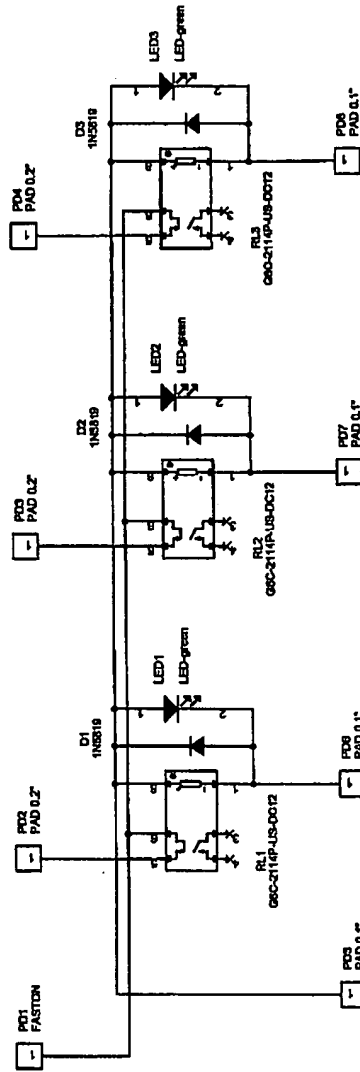


FIG. 13

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The Baranti Group Inc.

210 Cochran Dr., Unit #6, Markham
Ontario, Canada, L3R 8E8

Tel: (905)-479-0148 Fax: (905)-479-0149

Project Name/Client

POWER SWITCH

Title:

POWER SWITCH

Designed:

<Designed>

File Ref:

SCH0000A.DSN

Sheet

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Yuri Stoyanov

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Date

ECO No.

PCB Ver.:

PCB0000A

Sheet

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